Performance Data Sheet

AWF5532EXN

General Information

Model	AWF5532EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	8200	6850					
	Watts	1300	1260					
	Amps	5.74	5.70					
	Lb/h	105	92.3					
-10	Btu/h	10300	8930	7670				
	Watts	1400	1370	1350				
	Amps	6.19	6.22	6.23				
	Lb/h	132	119	107				
-5	Btu/h	12600	11100	9760	8520			
	Watts	1490	1480	1480	1480			
	Amps	6.62	6.71	6.79	6.83			
	Lb/h	160	147	135	124			
0	Btu/h	15000	13400	11900	10600	9330		
	Watts	1570	1580	1600	1630	1640		
	Amps	7.01	7.18	7.33	7.45	7.51		
	Lb/h	189	176	164	152	140		
5	Btu/h	17500	15800	14300	12800	11400		
	Watts	1650	1680	1720	1760	1800		
	Amps	7.37	7.61	7.85	8.05	8.19		
	Lb/h	220	206	194	182	170		
10	Btu/h	20200	18400	16700	15200	13700	12100	10500
	Watts	1710	1760	1830	1890	1950	1990	2000
	Amps	7.68	8.01	8.33	8.61	8.85	9.00	9.05
	Lb/h	252	238	225	213	201	187	171
15	Btu/h	23100	21100	19300	17700	16000	14400	12600
	Watts	1770	1840	1930	2020	2100	2160	2190
	Amps	7.96	8.37	8.77	9.15	9.48	9.73	9.88
	Lb/h	287	272	259	247	234	220	203
20	Btu/h	26200	24100	22200	20300	18600	16700	14900
	Watts	1820	1910	2020	2130	2230	2320	2380
	Amps	8.18	8.68	9.18	9.65	10.1	10.4	10.7
	Lb/h	324	308	295	282	269	254	238

25	Btu/h	29600	27300	25200	23200	21300	19300	17300
	Watts	1860	1970	2100	2240	2360	2480	2560
	Amps	8.35	8.94	9.54	10.1	10.6	11.1	11.5
	Lb/h	363	347	333	320	306	291	274
30	Btu/h	33300	30800	28500	26300	24200	22100	19900
	Watts	1880	2020	2170	2330	2490	2620	2730
	Amps	8.47	9.16	9.85	10.5	11.2	11.7	12.2
	Lb/h	405	389	374	361	346	331	313
35	Btu/h	37200	34600	32100	29700	27400	25100	22700
	Watts	1900	2060	2230	2420	2600	2760	2900
	Amps	8.53	9.32	10.1	10.9	11.6	12.3	12.9
	Lb/h	451	434	419	404	389	373	355
40	Btu/h	41500	38600	35900	33300	30800	28300	25700
	Watts	1900	2080	2280	2490	2690	2890	3050
	Amps	8.53	9.42	10.3	11.2	12.1	12.9	13.6
	Lb/h	500	482	466	451	435	418	399
45	Btu/h	46200	43000	40100	37300	34500	31800	29000
	Watts	1880	2090	2320	2550	2780	3000	3190
	Amps	8.46	9.47	10.5	11.5	12.5	13.4	14.2
	Lb/h	553	534	517	501	485	467	447
50	Btu/h	51200	47800	44600	41600	38600	35600	32600
	Watts	1860	2090	2340	2600	2860	3100	3330
	Amps	8.32	9.44	10.6	11.7	12.8	13.9	14.8
	Lb/h	609	590	572	555	538	520	499
55	Btu/h	56600	52900	49500	46200	43000	39700	36400
	Watts	1810	2070	2350	2630	2920	3190	3440
	Amps	8.11	9.35	10.6	11.9	13.1	14.3	15.4
	Lb/h	670	650	631	613	595	576	554

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.162348E+04	3.091660E+03	8.066740E+00	4.760486E+02
C2	6.730023E+02	-9.315870E+00	-2.008677E-02	6.487273E+00
C3	-5.663829E+02	-4.932017E+01	-6.879193E-02	-6.770032E+00
C4	5.470598E+00	-2.347083E-01	-1.384175E-03	4.163500E-02
C5	-2.517464E+00	2.498657E-01	9.214400E-04	-8.278155E-03
C6	3.788186E+00	5.161265E-01	1.016755E-03	5.326839E-02
C7	3.282196E-02	-1.088559E-03	-4.852386E-06	3.677334E-04
C8	-3.020108E-02	1.072573E-03	8.144992E-06	-1.406065E-04
C9	2.767899E-03	8.163826E-04	3.341388E-06	2.108862E-05
C10	-1.092190E-02	-1.717711E-03	-4.020774E-06	-1.681038E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature